

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

**BOARD AND CODE ADMINISTRATION DIVISION** 

# **NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

Innovative Window Concepts, LLC 1801 Corporate Drive Boynton Beach, FL 33426

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "1072" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. W03-95, titled "Series 1072 Alum. Single Hung Window (S.M.I.)", sheets 1 through 5 of 5, dated 10/20/03, with revision F dated 02/10/12, prepared by A1-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

# MISSILE IMPACT RATING: Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 08-1210.02 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez. P.E.



14/30/12

NOA No. 12-0301.05 Expiration Date: February 19, 2014 Approval Date: May 10, 2012 Page 1

# Innovative Window Concepts, LLC

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No **W03-95**, Sheets 1 through 5 of 5, titled "Series 1072 Alum. Single Hung Window (S.M.I.)", dated 10/20/03 with revision F dated 02/10/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Small Missile Impact Test, per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
  - 6) Force Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by American Test Lab of South Florida, Test Report No. **ATL-0422.02-03**, dated 07/24/03, signed and sealed by Henry Hattem, P.E. (Submitted under previous NOA# 03-1201.04)

# , C. CALCULATIONS

1. Revised Anchor verification calculations and structural analysis, complying with FBS-2007, prepared by Al-Farooq Corporation, dated 10/20/08, signed and sealed by Humayoun Farooq, P.E.

(Submitted under previous NOA#08-1210.02)

2. Glazing complies with ASTM E1300-04

### D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

## E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11–0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.
- 2. Notice of Acceptance No. 11-0325.05 issued to Solutia, Inc. for their "Saflex and Vanceva clear and color interlayers" dated 05/05/11, expiring on 05/21/16

Manuel Perez, P.E. oduct Control Examiner

Expiration Date: February 19, 2014

Approval Date: May 10, 2012

# **Innovative Window Concepts, LLC**

# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

# F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated February 15, 2012, signed and sealed by Javad Ahmad, P.E.
- 2. Laboratory compliance letter for Test Report No. ATLSF-0422.02-03, issued by American Test Lab of South Florida, dated 07/24/03, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E. (Submitted under previous NOA#03-1201.04)

### G. OTHER

1. Notice of Acceptance No. **08-1210.02** issued to Innovative Window Concepts, LLC for their Series 1072 Aluminum Single Hung Window – S.M.I. approved on 02/04/09 and expiring on 02/19/14.

Manuel Perez, P.F.
Product Control Examiner
NOA No. 12-0301.05

Expiration Date: February 19, 2014 Approval Date: May 10, 2012

UNEQUAL LITES WINDOWS						
DESIGN LOAD CAPACITY - PSF						
FLANG	FLANGE DIMS. STD. ANCHOR SPACING					
WIDTH	HEIGHT	EXT.(+)	1NT.(-)			
19-1/8"		90.0	160.0			
24"		90.0	160.0			
26-1/2"		90.0	160.0			
32"	50-5/8"	90.0	160.0			
37"	(4)	90.0	138.4			
40"		90.0	128.0			
48"		90.0	106.7			
53-1/8"		90.0	96.4			
19-1/8"		90.0	160.0			
24"		90.0	160.0			
26-1/2"		90.0	160.0			
32"	63"	90.0	160.0			
37"	(5)	90.0	139.0			
40"		90.0	128.6			
48"		90.0	107.1			
53-1/8"		90.0	96.8			
19-1/8"		90.0	160.0			
24"		90.0	160.0			
26-1/2"		90.0	160.0			
32"	76"	90.0	159.9			
37"	(6)	90.0	138.3			
40"		90.0	127.9			
48"		90.0	106.6			
53-1/8"		90.0	96.3			
19-1/8"		90.0	160.0			
24"		90.0	160.0			
26-1/2"	84"	90.0	160.0			
32"	(7)	90.0	140.0			
37"		90.0	140.0			
40"		90.0	135.0			
19-1/8"		90.0	160.0			
24"	96"	90.0	160.0			
26-1/2"	(8)	90.0	160.0			
32"	, · · /	90.0	140.0			

1	LINEO	דינין ואוו	TRS WIN	กดพร			
1	UNEQUAL LITES WINDOWS						
	DESIGN LOAD CAPACITY - PSF						
	FLANG	E DIMS.	EXTRA JAM	B ANCHORS			
	WIDTH	HEIGHT	EXT.(+)	1NT.(-)			
1	19-1/8"		90.0	160.0			
	24"		90.0	160.0			
	26-1/2"		90.0	160.0			
	32"	50-5/8"	90.0	160.0			
	37"	(6)	90.0	160.0			
	40"		90.0	160.0			
]	48"		90.0	158.8			
	53-1/8"		90.0	137.0			
	19-1/8"		90.0	160.0			
	24"		90.0	160.0			
	26-1/2"		90.0	160.0			
	32"	63"	90.0	160.0			
	37"	(7)	90.0	160.0			
	40"		90.0	160.0			
	48"		90.0	140.0			
	53-1/8"		90.0	125.6			
	19-1/8"		90.0	160.0			
	24"		90.0	160.0			
	26-1/2"		90.0	160.0			
Ш	32"	76"	90.0	140.0			
	37"	(8)	90.0	140.0			
	40"		90.0	140.0			
	48"		90.0	140.0			
	53-1/8"		90.0	123.8			
	* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.						

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

CHARTS SHOWN ON SHEETS 1 & 2.

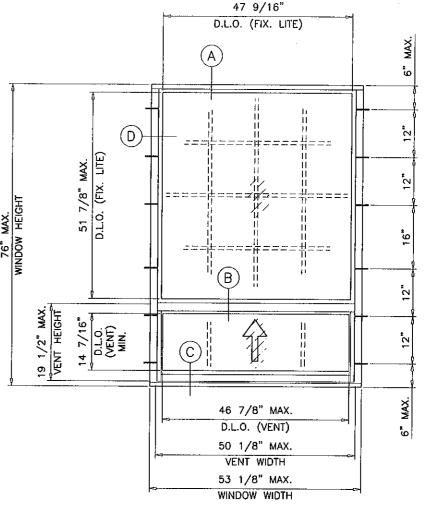
WILL APPLY TO ENTIRE SYSTEM.

HURRICANE ZONE (HVHZ).

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE



UNEQUAL LITES (ORIEL TYPE)

TYPICAL ELEVATION TESTED UNIT

WINDOWS RATED FOR SMALL MISSILE IMPACT. SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT.

> Engr: JAVAD' AHMAD √ ÇIVIL, FLA. PE #\ 70592 O.A.N. 3538

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0301.05 Expiration Date FEB. 19, 2014

TECOPIE 10-20-

descrip REV. PER GLAZING TA UPDATED F

CORPORATION
ODUCT DEVELOPMENT

AL-FAROOO ( ENGINEERS & PROD 1235 S.W. 87 AVE MIAMI, FLORIDA 333

12

HUNG

INNOVATIVE WINDOW CONCEP 1801 CORPORATE DRIVE BOYNTON BEACH, FL. 33426 TEL. (561) 493-2303 FAX. (561) 4

drawing no. W03-95

sheet 1 of 5

SERIES 1072 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

NOT PART OF THIS APPROVAL.

REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

90.0

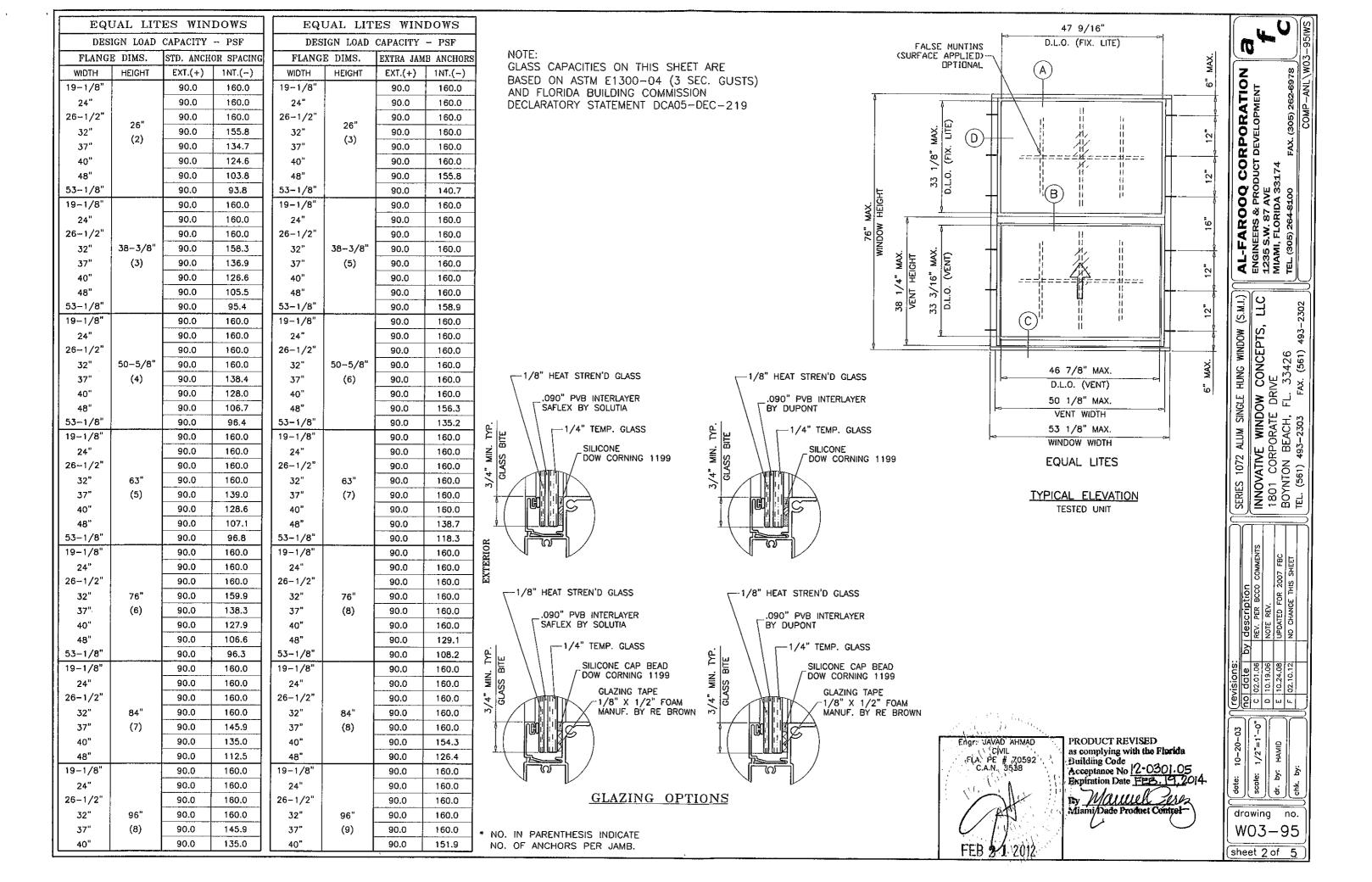
\* NO. IN PARENTHESIS INDICATE

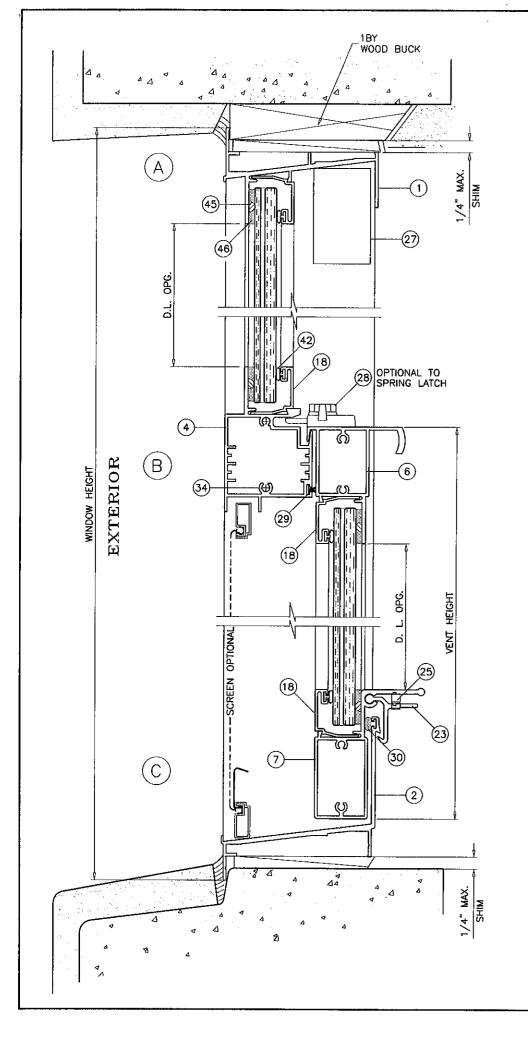
NO. OF ANCHORS PER JAMB.

140.0

37"

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219





WOOD BUCKS AND METAL STRUCTURE NOT BY I.W.C. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

# #12 SMS OR SELF DRILLING SCREWS

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090") (NO SHIM SPACE)

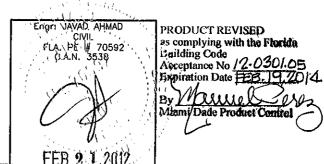
# TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN. MASONRY f'm = 1500 PSI MIN.

# SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT

SERIES 1072 ALUM SINGLE HUNG WINDOW (S.M.I.)

INNOVATIVE WINDOW CONCEPTS, 1801 CORPORATE DRIVE BOYNTON BEACH, FL. 33426 TEL. (561) 493–2303 FAX. (561) 493–

drawing no. W03 - 95

sheet 3 of 5

